

IN THE CLAIMS

Please amend the claims as shown below. This listing of claims will replace all prior versions and listings of claims in the Application.

1. (Currently Amended) In an electronic device having a display and a processor, a method for providing contrast adjustment for said display comprising:

a) receiving a contrast setting that is user defined via a software graphical user interface, wherein said graphical user interface comprises an interactive slide bar;

b) generating signals representative of ~~the~~ an ambient temperature of an environment of said display over time, said ambient temperature characterizing said environment;

c) sampling said signals and converting said signals into current temperature values;

d) based on said contrast setting and said current temperature values, computing a contrast adjustment voltage signal for maintaining said contrast setting, wherein said steps c) and d) are performed by said processor; and

e) automatically adjusting contrast of said display by applying said contrast adjustment voltage signal to said display.

2. (Previously Presented) The method as recited in Claim 1 further comprising:

f) repeating said b) - d), for another contrast adjustment.

3. (Previously Presented) The method as recited in Claim 1 wherein said b) comprises using a temperature sensitive diode circuit to generate a voltage signal based on said ambient temperature.

4. (Previously Presented) The method as recited in Claim 3 wherein said b) further comprises using an analog to digital converter to convert said voltage signal into a digital value.

5. (Previously Presented) The method as recited in Claim 1 wherein said d) comprises indexing a look-up table with said contrast setting and said current temperature values to compute said contrast adjustment voltage signal.

6. (Previously Presented) The method as recited in Claim 1 wherein said step d) comprises inputting said contrast setting and said current temperature values to a formula to compute said contrast adjustment voltage signal.

7. (Currently Amended) The method as recited in Claim 1 wherein said display ~~screen~~ comprises a liquid crystal display (LCD) display screen.

8. (Previously Presented) The method as recited in Claim 1 wherein said electronic device comprises a portable hand-held computer system.

9. (Canceled)

10. (Currently Amended) An electronic device comprising:
a processor coupled to a bus;
a display coupled to said bus and responsive to a contrast adjustment signal;
a temperature sensing circuit for generating signals representative of ~~the~~ an
ambient temperature of an environment of said display over time, said ambient
temperature characterizing said environment, and

wherein said processor automatically compensates display contrast based on said ambient temperature by performing a process comprising:

- a) receiving a contrast setting that is user defined via a software graphical user interface, wherein said graphical user interface comprises an interactive slide bar;
- b) sampling said signals and converting said signals into current temperature values;
- c) based on said contrast setting and said current temperature values, computing a contrast adjustment voltage signal for maintaining said contrast setting; and
- d) automatically adjusting contrast of said display by applying said contrast adjustment voltage signal to said display.

11. (Previously Presented) The device as described in Claim 10 wherein said temperature sensing circuit comprises:

- a temperature sensitive diode circuit for generating a voltage signal based on said ambient temperature; and
- an analog to digital converter to convert said voltage signal into a digital value.

12. (Previously Presented) The A device as described in Claim 10 wherein said c) comprises indexing a look-up table with said contrast setting and said current temperature values to compute said contrast adjustment voltage signal.

13. (Previously Presented) The A device as described in Claim 10 wherein said c) comprises inputting said contrast setting and said current temperature values to a formula to compute said contrast adjustment voltage signal.

14. (Currently Amended) The A device as described in Claim 10 wherein said display screen is comprises a liquid crystal display (LCD) display screen and wherein said electronic device is a portable hand-held computer system.

15. (Canceled)

16. (Currently Amended) A palm-top computer system comprising:
a processor coupled to a bus;
a flat panel display coupled to said bus and responsive to a contrast adjustment signal;
a temperature sensitive diode circuit for generating signals representative of ~~the~~ an ambient temperature of an environment of said display over time, said ambient temperature characterizing said environment, and

wherein said processor automatically compensates display contrast based on said ambient temperature by performing a process comprising:

- a) receiving a contrast setting that is user defined via an interactive slide bar of a software graphical user interface displayed on said display;
- b) sampling said signals and converting said signals into current temperature values;
- c) based on said contrast setting and said current temperature values, computing a contrast adjustment voltage signal for maintaining said contrast setting; and
- d) automatically adjusting contrast of said display by applying said contrast adjustment voltage signal to said display.

17. (Previously Presented) The computer system as described in Claim 16 further comprising an analog to digital converter to convert said signals from said temperature sensitive diode circuit into digital values.

18. (Previously Presented) The A computer system as described in Claim 16 wherein said c) comprises indexing a look-up table with said contrast setting and said current temperature values to compute said contrast adjustment voltage signal.

19. (Previously Presented) The computer system as described in Claim 16 wherein said c) comprises inputting said contrast setting and said current temperature values to a formula to compute said contrast adjustment voltage signal.

20. (Previously Presented) The A computer system as described in Claim 16 wherein said display screen comprises a liquid crystal display (LCD) display screen and wherein said electronic device comprises a portable hand-held computer system.